

10

30

50

CAGGGGACATGAGAGGCACACCGAAGACCCACCTCCTGGCCTTCTCCCTCCTTGCCCTCC  
MetArgGlyThrProLysThrHisLeuLeuAlaPheSerLeuLeuCysLeuL  
 70 90 110

TCTCAAAGGTGCGTACCCAGCTGTGCCGACACCATGTACCTGCCCTGGCACCTCCCC  
euSerLysValArgThrGlnLeuCysProThrProCysThrCysProTrpProProA  
 130 150 170

GATGCCGCTGGGAGTACCCCTGGTGCTGGATGGCTGTGGCTGCTGCCGGTATGTGCAC  
 rgCysProLeuGlyValProLeuValLeuAspGlyCysGlyCysCysArgValCysAlaA  
 190 210 230

GGCGGCTGGGGAGCCCTGCGACCAACTCCACGTCTGCGACGCCAGGGCCTGGTCT  
 rgArgLeuGlyGluProCysAspGlnLeuHisValCysAspAlaSerGlnGlyLeuValC  
 250 270 290

GCCAGCCCGGGCAGGACCCGGTGGCCGGGGCCCTGTGCCTTGGCAGAGGACGACA  
 ysGlnProGlyAlaGlyProGlyGlyArgGlyAlaLeuCysLeuLeuAlaGluAspAspS  
 310 330 350

GCAGCTGTGAGGTGAACGGCCGCCTGTATCGGAAGGGGAGACCTTCAGCCCCACTGCA  
 erSerCysGluValAsnGlyArgLeuTyrArgGluGlyGluThrPheGlnProHisCysS  
 370 390 410

GCATCCGCTGCCGCTGCGAGGACGGCGCTTCACCTGCGTCCGCTGTGCAGCGAGGATG  
 erIleArgCysArgCysGluAspGlyGlyPheThrCysValProLeuCysSerGluAspV  
 430 450 470

TGCGGCTGCCAGCTGGACTGCCACCCAGGAGGGTCGAGGTCTGGCAAGTGCT  
 alArgLeuProSerTrpAspCysProHisProArgArgValGluValLeuGlyLysCysC  
 490 510 530

GCCCTGAGTGGGTGTGCGGCCAAGGAGGGGACTGGGGACCCAGCCCCTCCAGCCAAAG  
 ysProGluTrpValCysGlyGlnGlyGlyLeuGlyThrGlnProLeuProAlaGlnG  
 550 570 590

GACCCAGTTCTGGCCTGTCTTCCCTGCCCTGGTGTCCCTGCCAGAATGGA  
 1yProGlnPheSerGlyLeuValSerSerLeuProProGlyValProCysProGluTrpS

610

630

650

GCACGGCCTGGGGACCCTGCTCGACCACCTGTGGGCTGGCATGCCACCCGGGTGTCCA  
 erThrAlaTrpGlyProCysSerThrThrCysGlyLeuGlyMetAlaThrArgValSerA  
 670 690 710

ACCAGAACCGCTTCTGCCGACTGGAGACCCAGCGCCGCCTGTGCCTGTCCAGGCCCTGCC  
 snGlnAsnArgPheCysArgLeuGluThrGlnArgArgLeuCysLeuSerArgProCysP  
 730 750 770

CACCTCCAGGGTCGCAGTCCACAAACAGTGCCTTAGAGCCGGCTGGGAATGGGG  
 roProSerArgGlyArgSerProGlnAsnSerAlaPheEnd  
 790 810 830

ACACGGTGTCCACCATCCCCAGCTGGTGGCCCTGTGCCTGGCCCTGGGCTGATGGAAGA  
 850 870 890

TGGTCCGTGCCAGGCCCTGGCTGCAGGCAACACTTAGCTTGGTCCACCATGCAGAA  
 910 930 950

CACCAATATTAAACACGCTGCCTGGCTGTCTGGATCCGAGGTATGGCAGAGGTGCAAGA  
 970 990 1010

CCTAGTCCCCTTCCTCTAACTCACTGCCTAGGAGGCTGGCCAAGGTGTCCAGGGTCCTC  
 1030 1050 1070

TAGCCCACCTCCCTGCCTACACACACAGCCTATATCAAACATGCACACGGCGAGCTTCT  
 1090 1110 1130

CTCCGACTTCCCCTGGCAAGAGATGGGACAAGCAGTCCCTTAATATTGAGGCTGCAGCA  
 1150 1170 1190

GGTGCTGGCTGGACTGCCATTCTGGGGTAGGATGAAGAGAAGGCACACAGAGAT  
 1210 1230 1250

TCTGGATCTCCTGCTGCCCTTCTGGAGTTGTAAAATTGTTCTGAATAAGCCTATG  
 1270

CGTAAAAAAAAAAAAAA

**FIG. 2**

FIG. 3

